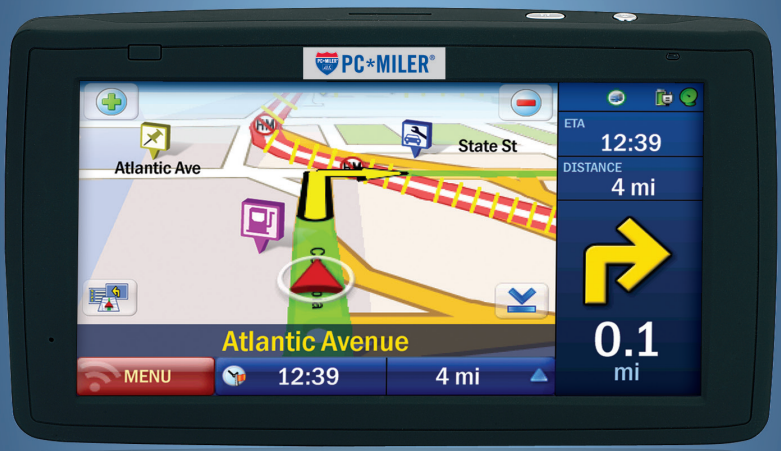
PC*MILER Navigator 740

All-In-One GPS for Truck Drivers



User's Guide

Welcome

Thank you for choosing PC*MILER Navigator.

This guide will tell you everything you need to know about using PC*MILER Navigator

SAFETY NOTE:

PC*MILER Navigator powered by CoPilot Truck is designed to calculate the most efficient and truck-specific route for you. However, some of the information in the database may change from time to time.

You must stay alert and pay attention to road signs at all times.

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FOR YOUR SAFETY

It is your sole responsibility to use the product in a safe and responsible manner. You must obey local traffic laws, posted road signs and safety regulations. Do not operate the product while driving. ALK shall not be liable for any errors or omissions of either the map data or truck restrictions data contained in the product. You agree that the map data, the truck restrictions data and the routing may not be accurate. By using this product you accept the above and relieve ALK from any and all liability.

Getting Started

Checklist

Check the contents of your box, box should contain:

- PC*MILER Navigator with Pre-installed CoPilot Truck GPS Navigation Software
- QuickStart Guide
- User Manual
- Windshield Mount
- Truck Charger
- Home Charger

PC*MILER Navigator

Quick Start Guide and User Manual

Windshield Mount

Truck Charger

Home Charger

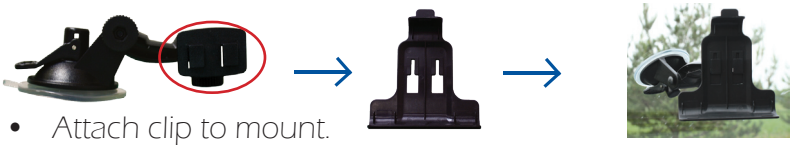
Getting Started

Identification

SD Logo is a trademark.

Getting Started

To Assemble the Windshield Mount



- Attach clip to mount.
- Place mount against windshield.
- Before attaching to windshield ensure lever is in unlock position (away from suction cup toward clip).
- Put suction cup on windshield and press lever into lock position (**down** toward base of mount) to secure.

To Attach the Truck Charger

- Connect USB end of charger to the USB port on the PC*MILER Navigator.
- Connect opposite end into truck power port.

To Attach the Home Charger

- Connect USB end of charger to the USB port on the PC*MILER Navigator.
- Connect opposite end to outlet.

Getting Started

Switching On and Off

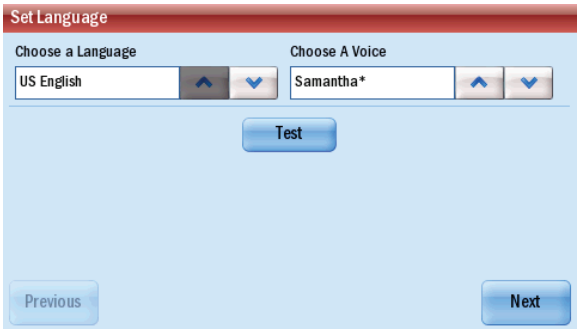
- Switch **on** PC*MILER Navigator. Hold down the power button for 3 seconds to turn the PC*MILER Navigator on.
- Switch **off** PC*MILER Navigator. Hold down the power button until unit displays '**Powering Off**'.

Preparing PC*MILER Navigator

The CoPilot Truck GPS Navigation software with street-level maps of United States and Canada are pre-installed on your PC*MILER Navigator device. No additional installation necessary.

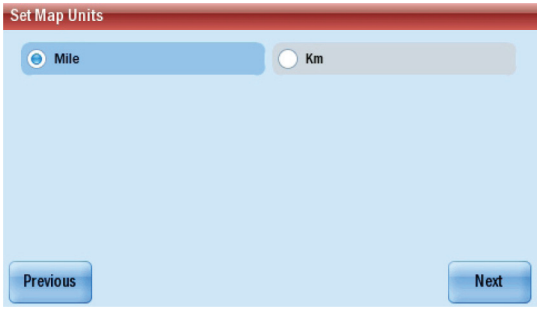
Select Language and Voice

- Set the language for on-screen text and voice guidance then tap **NEXT**. Select ***Samantha**** to have street names read aloud. (See page 47 for additional language and voice options)

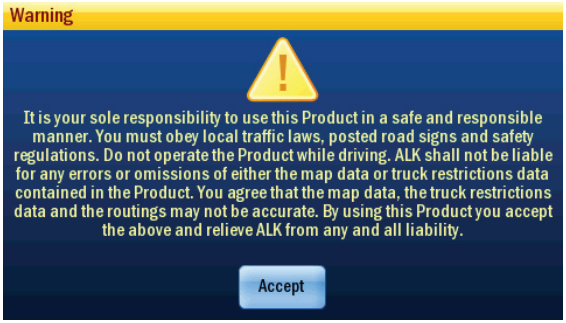


Select a Distance Measurement

- Choose between Miles and Kilometers (km) for distances. Tap **NEXT**.



- You will be asked to accept the ***Safety Warning*** for PC*MILER Navigator. Tap ***Accept*** to continue.


Warning
It is your sole responsibility to use this Product in a safe and responsible manner. You must obey local traffic laws, posted road signs and safety regulations. Do not operate the Product while driving. ALK shall not be liable for any errors or omissions of either the map data or truck restrictions data contained in the Product. You agree that the map data, the truck restrictions data and the routings may not be accurate. By using this Product you accept the above and relieve ALK from any and all liability.
Accept

Tips and Tricks

PC*MILER Navigator is full of great features. To help you get to know them, we have included Tips and Tricks at start up. To Turn off Tips and Tricks uncheck the **'Show Tips and Tricks'** box. To see more use < and >. To close the window tap on ⊗.

You are Now Ready for Your First Trip!

GPS Startup

The PC*MILER Navigator has an integrated GPS receiver. The first time you use the Navigator, the GPS receiver will take up to 10 minutes to determine your position.

To ensure ETA to your destination is accurate, select the correct time zone on your device.

- Select **Menu** > **Settings** > > > **Time Zone**.
- Select the time zone of your current location.

Tips: GPS Signal

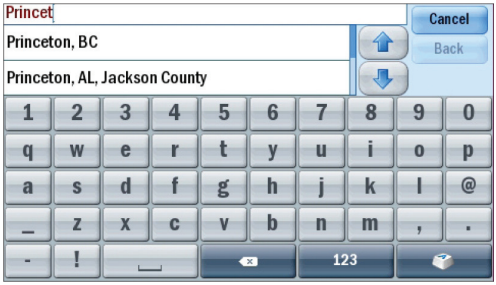
GPS Signal will be limited inside buildings, tunnels, or parking garages. To work effectively the PC*MILER Navigator should be mounted on the supplied windshield cradle for clear line of sight to the sky. ***CAUTION**: it is illegal in Minnesota to attach anything to the windshield

In Use

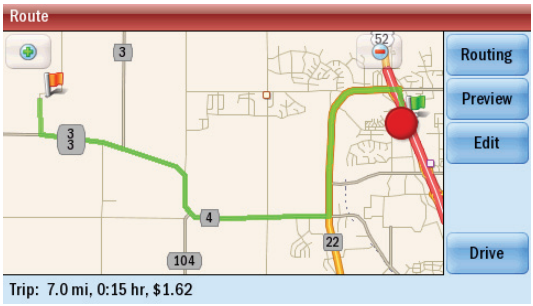
Selecting a Destination

PC*MILER Navigator uses GPS Satellites to calculate your exact position so you don't have to enter your starting point. Simply enter your destination and PC*MILER Navigator will take you there, providing detailed dock-to-dock voice guided instructions.

- Tap **Menu** > **Destination** > ***Address***.
- Enter the city/town name of your destination.
- Select the correct city or area when it appears in the list below the city field. Scroll down using the arrows to see more address options matching what you have typed.
- Enter the first three or four letters of the street name (Do not enter house/building number, you will enter this on the next step). Tap to view the autofilled addresses and select the correct street name when it appears.
- Enter the house/building number and select **Finish**, or just select **Finish** to skip this step when no house/building number is available.



A screen will then appear, showing you a map of the route. Select **Drive** to begin navigating your route.



NOTE: Your routing profile contains information about your truck's dimensions, weight, and hazmat restrictions. You may tap the **Routing** button on this screen to set rputing information (see page 48 for setting route preferences).

Pick a Stop From the Map

You can also select a destination from the map.

- Tap on **Menu** > **Destination** > > **Pick on Map**.

  A map of the area around your current location will be displayed. Touch the screen to move around the map and tap your desired destination when you find it. You can use the **Change Location** (in upper right hand corner of screen) button to enter an address or city name on which to center the map.

Use **Change Location** button to enter address or city name on which to center the map.

- Tap **Change Location** > choose **Last Location**, **City**, **Address**, **Favorite**, or **POI**.

Nearby Points of Interest

If you are running low on diesel fuel or need to rest at a truck stop, PC*MILER Navigator has millions of pre-loaded Points-of-Interrest (POI) to search.

- Tap **Menu** > **Nearby POI**
- From the list, select a category. For example **Truck Services**.

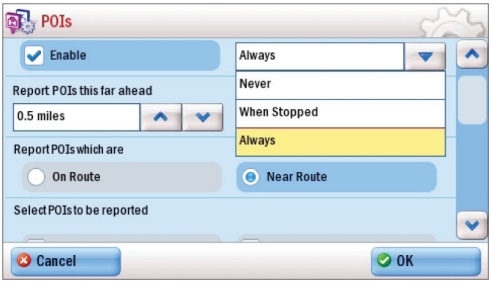
  After a few moments a list of nearby Truck Services will appear, shown in order of distance from your current location.

- Select truck service by tapping desired truck service name.
- Tap **Add Stop**. A preview map of the route to the selected POI will appear.
- Tap **Drive** to begin navigating your route.

Adjusting the POI Settings

You can choose to have POIs shown on-screen and the distance at which you are notified by adjusting the POI settings.

- Tap **Menu** > **Settings** > > **POIs**.
- To activate notification of the upcoming POI's along you route tap **Enable**, then check box in **POI Alerts**.
- Choose to show POIs **Always**, **Never**, or **When Stopped** from the drop down menu. Tap to show options and tap desired option.
- In the **Report POIs this far ahead field**, select a distance between 0.2 and 25 miles by tapping .
- Select whether to **Report POIs** which are on route or near route by tapping either **On Route** or **Near Route**.
- Select specific POI categories to display by checking the boxes.

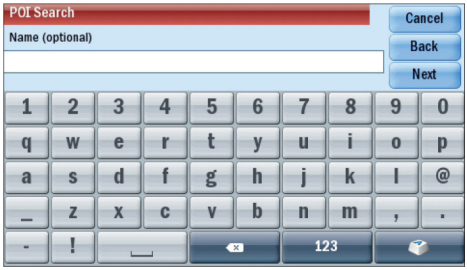


- Tap **OK** to apply the settings and return to the Settings menu.

POI Search

If you want to find a specific POI without knowing the address, you can search the POI database and set it as a destination.

- Tap on **Menu** > **Destination** > **Points of Interest**.
- Choose to select **Any Category** or **Pick a Category**. If you check the **Pick Category** box, tap the correct category. Then tap **Next**.
- If you check **Any Category** (any category will bring up a list all POI categories to choose from), tap **Next**.
- If you know the name of the place you want to visit (example Flying V), enter it here. Tap **Next**.



- Select a Search location: choose from **Near Current Location**, **Along My Route**, **In a City**, or **Near an Address** to search for related POI. Tap Next.
- For **Near Current Location** and **Along My Route**, the POI will be automatically generated.

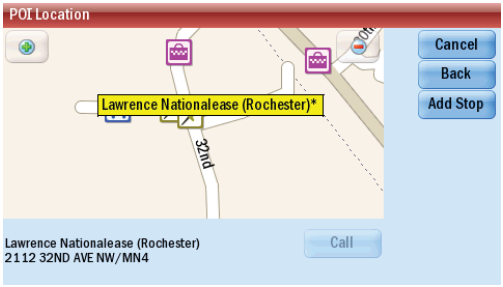
- If you select **In a City** or **Near an Address** enter the name of the city or town nearest the POI you are searching.

  PC*MILER Navigator will then search the millions of POIs in its database. When complete, a list of the nearest matches will appear on-screen.

- Select POI by tapping desired POI name.

- Tap **Details** to view the POI on the map. PC*MILER Navigator will display the phone number for the POI (if available).

- Tap **Add Stop** to have PC*MILER Navigator create a route from your current location to your selected POI.



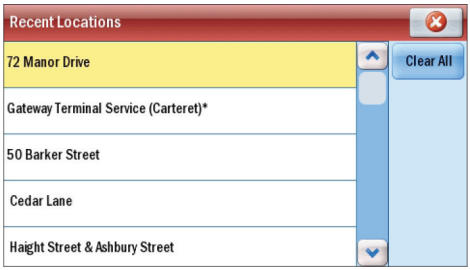
To Choose a Recent Destination

Recent locations provides quick and easy access to the last 50 destinations that you entered. When the list is full each new address will replace the oldest address on the list.

- Select **Menu** > **Destination** > > **Recent**.

To Delete the Recent Stops List

- Select **Menu** > **Destination** > [>] > **Recent** > **Clear All**.



To Choose an Intersection for Your Destination

- Select **Menu** > **Destination** > [>] > **Intersection**.
- Enter the City or Town (see page 14).
- Enter the first road.
- Enter the second road. If you are not certain of the second road name PC*MILER Navigator will provide a list of intersecting roads from which to choose. After selecting your second road, PC*MILER Navigator will automatically calculate your route to the intersection.

Selecting a Destination using Latitude and Longitude

If you know the latitude and longitude of your destination you can enter them directly.

- Select **Menu** > **Destination** > > > **Coordinates**.
- Choose to set the latitude and longitude in either **Degrees Minutes Seconds**, **Decimal Degrees** or **Decimal Minutes** (selected on the previous screen).
- Enter a latitude and longitude in the previous format. Tap **Finish**

PC*MILER Navigator will take a few moments to find the point. When the point has been located, a map will appear with the location pinpointed by a red flag.

- Tap **Drive** to begin navigating your route.

If you are outside and have a GPS fix, you can save your current location.

- Select **Menu** > > **Save Current Location**.
- Enter a name for the destination and tap **Save**.

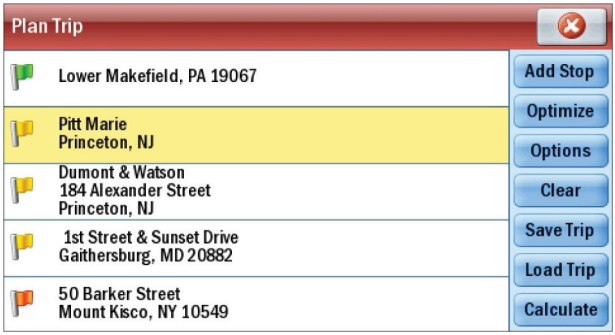
The location will be saved in your **Favorites** list, where it can be accessed as a destination in the future.

Using Favorites to Select a Destination

You can save locations such as Home and Work as well as save your Favorite destinations so you can access them quickly, (see page 39-41).

Entering Multiple Destinations

PC*MILER Navigator allows you to plan a trip with up to 50 destinations in one itinerary.

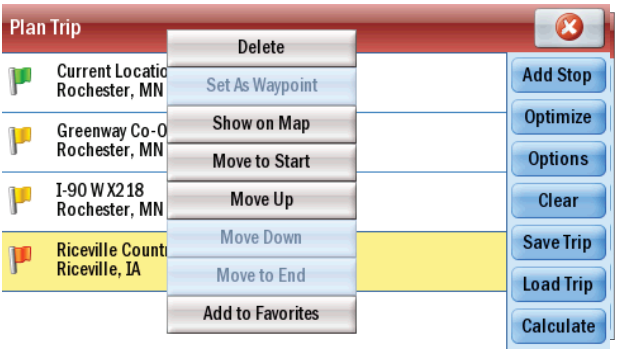


- Tap **Menu** > > **Plan or Edit Trip**.
- Tap ***Add Stop*** then tap desired category listed, for example ***Address***.
- Add the first address in the same way as detailed above; see **Selecting a Destination** on page 14.
- Repeat these steps to add additional destinations.

Customize Your Trip

When you have entered all your destinations you can change the order they appear in.

- Tap the address you wish to move. A Pop-up menu will appear containing a list of options: Delete, Show on Map, Move to Start, Move Up, Move Down, Move to End, Add to Favorites.



- Tap the desired option. The selected stop will move to its new position in the trip list.

Setting Waypoints

PC*MILER Navigator can route you through a certain point without considering it as a stop. By setting Waypoints you can adjust PC*MILER Navigator's route, to calculate a detour via the waypoint.

- Select **Menu** > > **Plan or Edit Trip**.

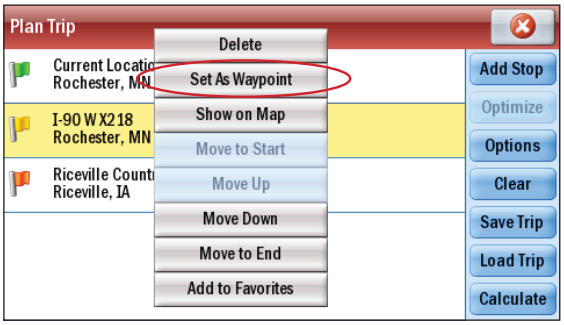
  Enter the waypoint address or place in the same way detailed in **Selecting a Destination** on page 14.

Tips: Show on Map

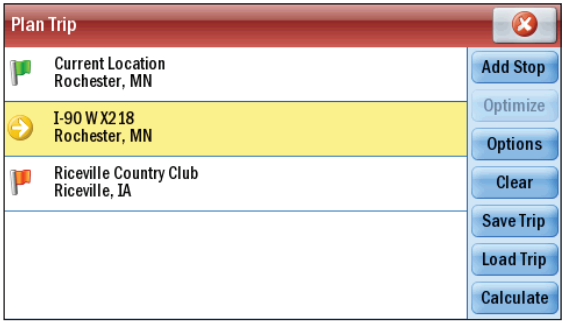
If you select **Show on Map** from the pop-up menu, a map of the area around the selected stop will be displayed.
Tap to return to the trip list.

- The address will appear on the trip list as a stop, with a flag icon next to it.

- Tap the address and a pop-up menu will appear containing a list of options. Tap **Set as Waypoint**.



The address will now be listed as a Waypoint, with an arrow icon rather than a stop to indicate that it is a Waypoint.



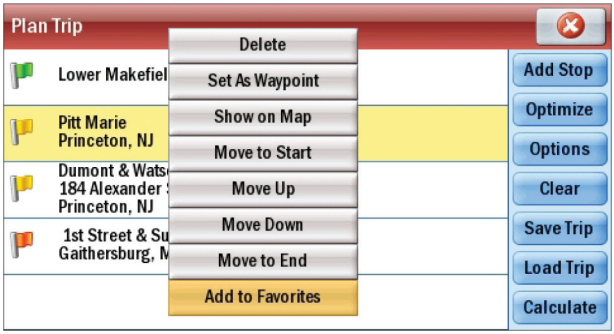
Tip: Make a Waypoint a Stop

To change a Waypoint back to a Stop, tap the address and select **Set as Stop** from the pop-up menu.

Saving Destination to Favorites

Addresses listed on the trip can be saved as Favorite destinations so you can access them quickly.

- Tap on the address you wish to save as a favorite.
- A pop-up menu will appear containing a list of options. Tap ***Add to Favorites***.



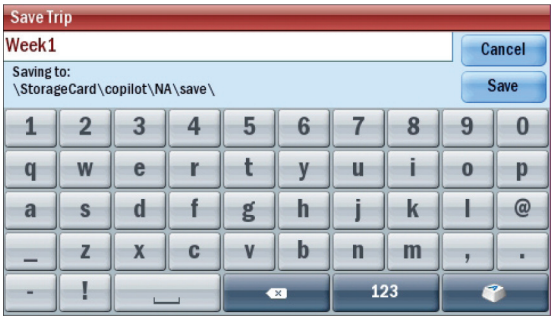
Tip: Do More with Favorites

See page 41-42 for personalization.

Saving a Planned Trip

When you have finished entering all your addresses, you can save your trip to access at a later date, rather than start driving right away.

- Tap **Save Trip**.
- Enter a name for the trip you are saving.
- Tap **Save** and the trip will be saved to the device memory.



Loading a Saved Trip

- Tap **Menu** > > **Plan or Edit Trip** > **Load Trip**

  The last trip you planned will automatically load. If you wish to load an older trip, tap **Load Trip** and select the trip you wish to load from the list. Tap **Open**.

Deleting a Planned Trip

- Tap **Clear**.

  You will be asked to confirm this selection. To continue with deleting the trip tap on **Yes** in the **Are you Sure?** window.

> **Tip:** Alternatively you can select **Menu** > **Clear Destination**

Preview Your Route

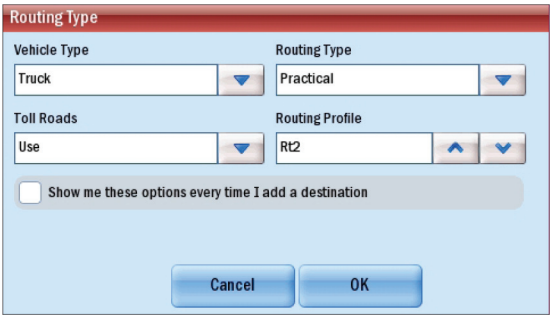
When all your stops have been entered, tap **Calculate.** A route screen will appear, with a preview map of the route. Options Include:

- Routing
- Preview
- Edit
- Drive

Select **Routing** to set the routing options for your trip. The available settings are:

- **Vehicle type**: **Truck** is the default. You can also choose from **Automobile**, **RV**, **Motorcycle**, **Bicycle**, **Walking**, or **Straight Line**.
- **Routing Type**: Choose from **Practical**, **Shortest**, or **Economic** (See page 61-62 for explanation of Practical shortest, and Economic).

- **Toll Roads**: Select whether you want PC*MILER Navigator to **Use** toll roads, **Always Avoid** or **Avoid if Possible**.
- Choose from routing profile you previously saved or **Default** for PC*MILER-based truck routing. Your routing profile contains information about your truck's dimensions, weight, and hazmat instructions (see page 48 for setting route preferences).
- Select the check box if you would like to display the routing options screen each time you add a destination.
- Tap **OK** to apply your routing preferences.

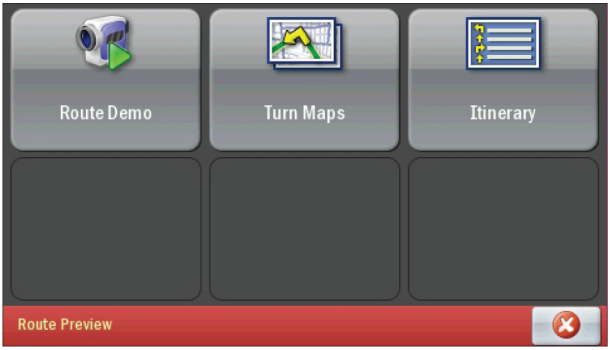


Customize Routing Options

Once a destination has been entered the Route screen will appear, showing you a preview map of the route. Select **Routing** to change the routing profile for the trip. See **Preview Your Route** (page 28) and **Setting Route Preference** (page 48).

In Use

From route screen Select **Preview** to see the Preview options for your trip



- **Route Demo**: See a preview of your trip, including instructions (see page 58-59 for instructions on playing your demo).
- **Turn Maps**: Display a map for each turn of your trip. You can choose to see **Next** or **Previous** turn. Tap **Close** to exit.
- **Itinerary**: Shows each direction in a written list with distance to each turn. Tap **Close** to exit.

From route screen select **Edit** to adjust your planned trip. You can:

- Add Stop
- Delete Stop
- Change your Stop Order
- Optimize the Trip

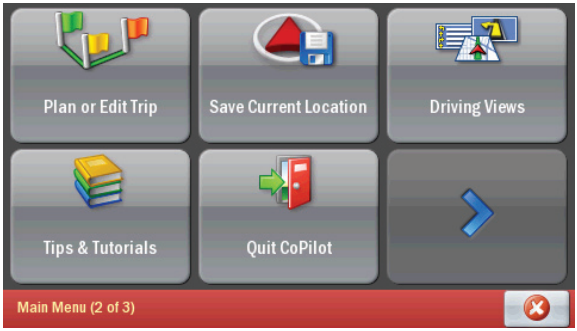
Begin Driving

From route screen select **Drive** to begin navigating your Route.

Editing a Trip

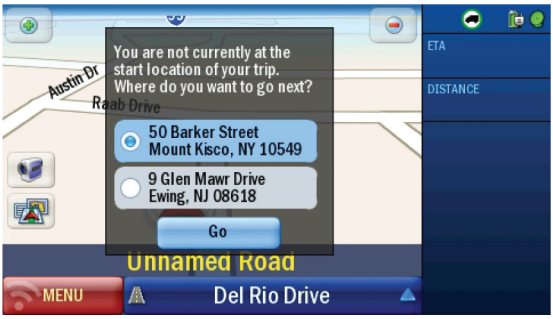
Once you have selected **Drive**, you can change the trip entered by selecting:

- Tap **Menu** > > **Plan or Edit Trip.**



Starting Point

If you are planning a trip in advance and are not at the starting point of your trip PC*MILER Navigator will ask you to select your starting location. You can choose to navigate to the starting point, or to navigate directly to the destination from your current location.


You are not currently at the start location of your trip. Where do you want to go next?
50 Barker Street Mount Kisco, NY 10549
9 Glen Mawr Drive Ewing, NJ 08618
Go
Austin Dr
Raab Drive
ETA
DISTANCE
Unnamed Road
MENU
Del Rio Drive

In Use

Guidance

PC*MILER Navigator will guide you to your destination with clear on-screen and spoken instructions. Whenever you are approaching your next turn, PC*MILER Navigator will speak to you to alert you to the upcoming direction change. In the default mode, your screen will look like the one below.

On Screen Information

By default your current location is displayed at the bottom of the map. You can choose what useful information is displayed at the base of your screen when you are driving, see Customizing the Guidance Screen (page 44-45).

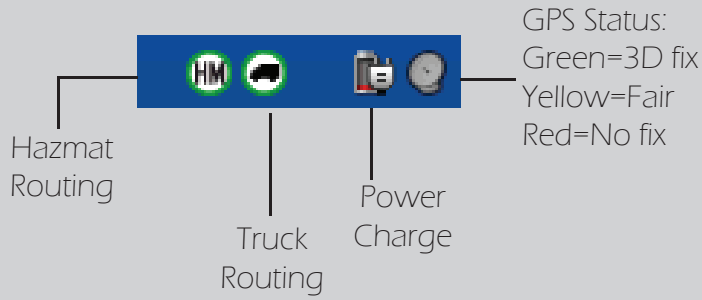
ETAs and Distances

The estimated time of arrival (ETA) and the distance remaining are displayed on the right of the screen, no matter which driving view you have selected.

Tip: Take a Closer Look

Use the and in **2D** or **3D** driving views to zoom in or out of the map view.

Tip: What are These?



Personalize

PC*MILER Navigator can be customized to meet your individual needs and style.

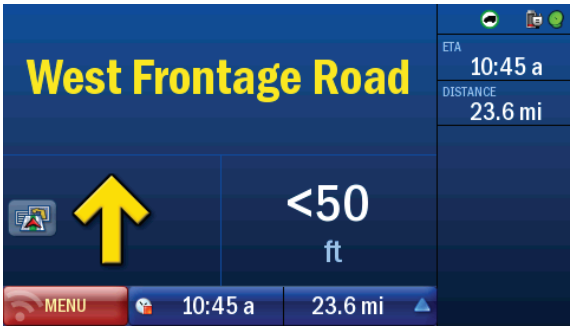
Driving View

You can choose from six different screen displays. To access

- Tap **Menu** > > **Driving Views** or tap the (driving views shortcut button) to quickly access one of the four views.

Driver Safety

We recommend you choose Driver Safety, which displays a simple turn instruction arrow with concise next turn instructions in large type. In driver safety mode, a map is only displayed as you approach a turn or are traveling below 10 mph.



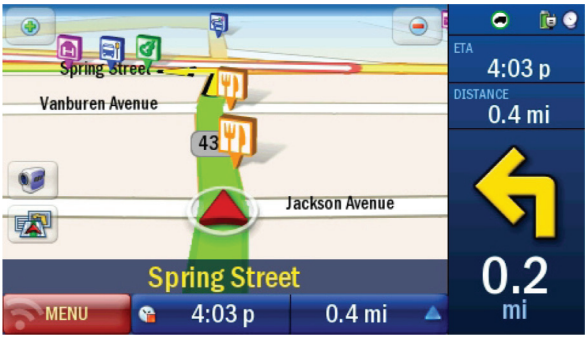
Tip: Customize the View

You can alter the settings of the driver safety view. See Adjusting Your Safety View on page 54-55.

Personalize

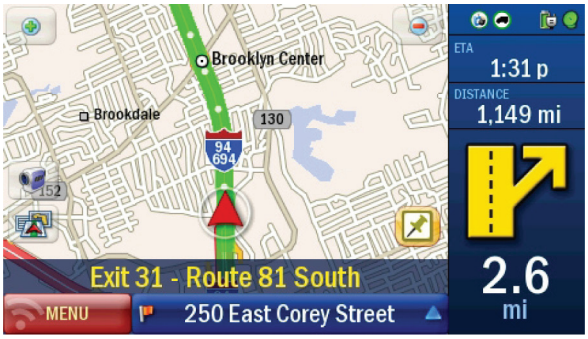
3D

This model shows your current position, next turn and surrounding road using a birds eye view.



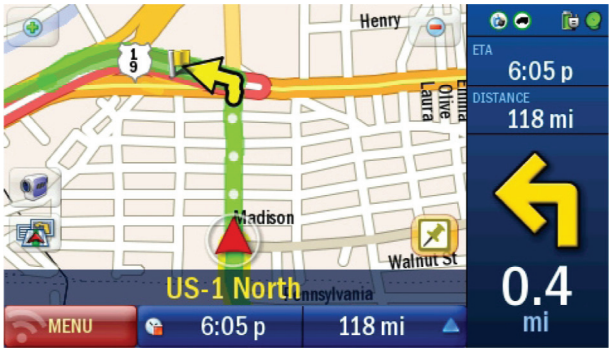
2D Where am I?

Displays your current location a on a 2D map.



2D Next Turn

Displays your current location and auto zooms into the next turn on a 2D map.



2D Destination

This view shows your route from your current position to your destination.

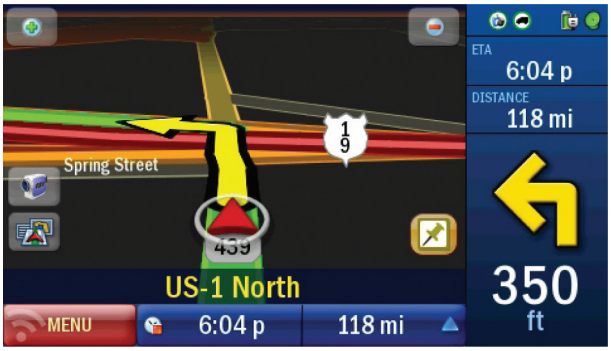
Personalize

Itinerary

This view shows each direction and turn in a written list, including distances.

Night Mode

Displays map with a dark background that reduces glare for easier night-time viewing.



Saving a Destination as Home

Save your home address so you don't have to enter it every time you wish to be directed home.

- Tap **Menu** > **Destination** > **Home**.
- Enter your home city/town name.
- Select the correct city or area when it appears in the list below the city field. Scroll down to see more address options matching what you have typed.
- Enter the street name. As you enter the street name PC*MILER Navigator will list potential matches. Select the correct street name when it appears in the list.
- Enter your house number and select **Finish**, or select **Finish** to skip this step.
- The home address is then placed in your Favorites.

Personalize

Saving a Destination as Work

Save your work address so you don't have to enter it every time you wish to be directed to work.

- Tap **Menu** > **Destination** > **Work**.
- Select the correct city or area when it appears in the list below the city field. Scroll down to see more address options matching what you have typed.
- Enter the street name. As you enter the street name PC*MILER Navigator will list potential matches. Select the correct street name when it appears in the list.
- Enter the house number and select **Finish**, or just select **Finish** to skip this step.
- The work address is then placed in your Favorites.

Changing Your Work or Home

The home and work addresses you entered are placed in your Favorites list and can be edited or deleted at any time, see (page 42).

Save Your Favorite Destinations

You can save other addresses to your Favorites list, so you can access them quickly.

- Tap **Menu** > **Destination** > **Favorites**.
- Tap ***Add New*** and PC*MILER Navigator will return to the destination menu.

- Choose to add the favorite by entering the address/zip code (tap ***Address***) or by locating it on a map (**Pick on Map**) or any of the other ways to enter a destination.

  When you've successfully added the address or location, it will appear in your Favorite list.

Personalize

Edit or Delete Favorites

To edit or delete a location in your Favorites list, tap **Manage**, select a favorite and choose to **Edit**, **Delete**, or **Delete All**.

- **Edit** will open an enter address screen so you can change the location.
- **Delete** will erase the currently highlighted location.
- **Delete All** will erase all the locations in your Favorites list. Including your Home and Work addresses.

NOTE:

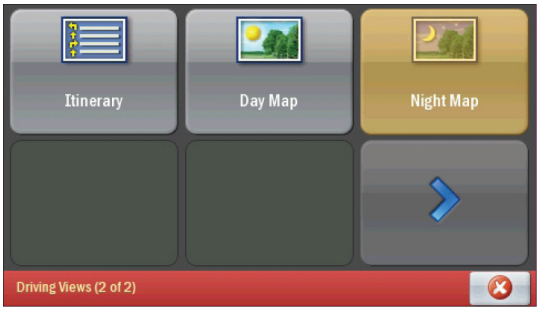
You will be asked to confirm if you wish to delete an item. If you select **Yes** the address(es) will be deleted.

Night Mode

Views can be selected in any of the display screen views. It dims the screen display to reduce glare and eye strain when driving at night.

PC*MILER Navigator will automatically switch to night mode based on the time and your location, or you can do it manually from the Driving Views menu.

- Tap **Menu** > > **Driving Views** > > **Night Map**.



To switch off **Night Mode**, select **Day Mode**.

You can also alter the day and night mode settings from **Setting Map Styles** (page 46).

Personalize

Customizing the Guidance Screen

You can choose what useful information is displayed at the bottom of your screen when you are driving.

Tap in the bottom right hand corner of the screen. Choose from:

- Destination
- Current Road
- Next Crossroad
- Next Major Road
- Nearest Town
- ETA & Distance
- Speed & Distance
- Altitude & Heading
- Latitude & Longitude

Setting Map Preferences

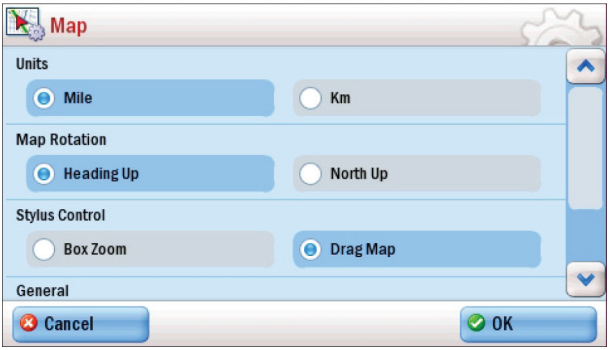
You can also set up what sort of maps PC*MILER Navigator uses.

- Tap **Menu** > **Settings** > **Map**.

Personalize

The available settings are:

- **Units**: Choose to display **Miles** or **Km** on your maps.
- **Map Rotation**: Choose **Heading Up** to always be traveling towards the top of the screen, or select **North Up** to hold the map static as you travel along your route.
- **Stylus Control**: Select **Box Zoom** or **Drag Map**.
- **General**: Choose whether to **Display Turn Restrictions** by checking or unchecking the box.
- Check the box marked **Display View Shortcuts** to display a driving view button ( ) which allows you to quickly change between driving views.
- Tap **OK** to apply the settings and return to the Settings menu.



Personalize

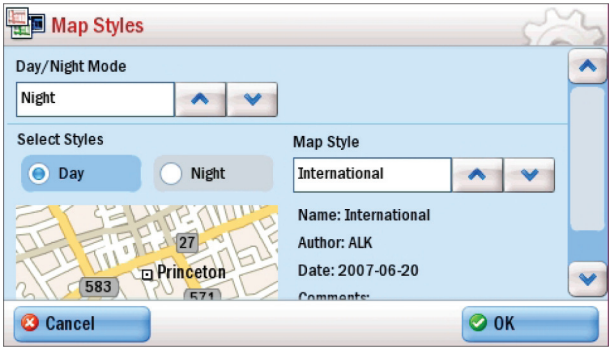
Setting Map Styles

- Tap **Menu** > **Settings** > **Map Styles**.

  Choose the default setting for the day or night mode from the list, using the arrow buttons. The options area **Automatic**, **Night**, and **Day**.

  If you select Automatic, PC*MILER Navigator will automatically switch to night mode around 6 pm, based on current time and location.

  You can select from a range of industry leading map presentation styles and color themes using on the **Map Style** list. A preview is shown each time you select one, once you are happy with your selection tap **OK**.



Personalize

Personalizing the Voice Instructions

You can alter the voice with which the guidance instructions are spoken.

- Tap **Menu** > **Settings** > > > **Language and Speech**.
- Select your choice of language using the up and down arrows next to the **Choose a Language** field.
- Select a voice using the up and down arrows next to the Choose a Voice field. Select ***Samantha**** to have street names read aloud.
- Tap **Test** to hear a sample of chosen voice.
- Tap **OK** to save your settings and exit. Tap **Cancel** to discard your changes.

Time Zone

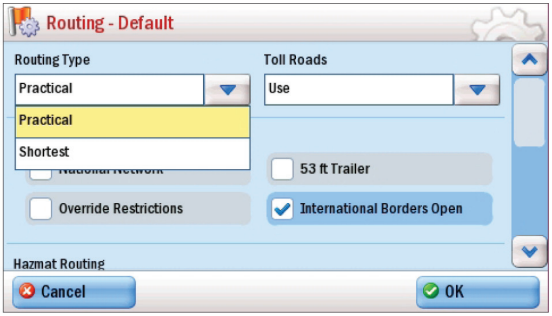
To ensure ETA (Estimated Time of Arrival) to your destination is accurate select the correct time zone on your device.

- Select **Menu** > **Settings** > > > **Time Zone**.
- Select the time zone of your current location.

Setting Route Preferences

PC*MILER Navigator offers a number of commercial truck route types and options.

- Tap **Menu** > **Settings** > **Routing**.



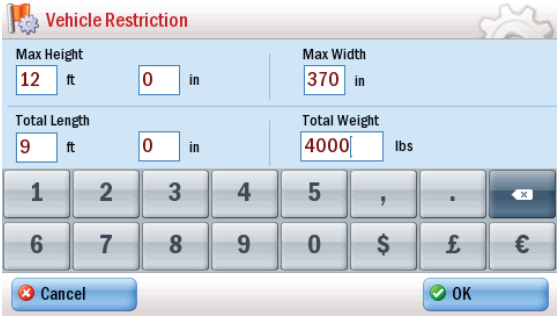
The available options are:

- **Vehicle Type**: You can choose from **Truck**, **Automobile**, **RV**, **Motorcycle**, **Bicycle**, **Walking**, or **Straight Line**. **Truck** is the default.
- **Routing Type**: Choose from **Practical**, **Shortest**, or **Economic**. (See page 61-62 for explanation of Practical and Economic).
- **Toll Roads**: Select whether you want PC*MILER Navigator to **Use** toll roads, **Always Avoid** or **Avoid if Possible** all toll roads your route may encounter.

- **General**: Select **National Network** and/or **53 Foot Trailer**. Select **Override** Restrictions for light weight routing or check **International Borders Open** to allow your route to go across country borders. Override restrictions will allow routes that are heavy restricted based on the "light" vehicle settings, but warnings about specific restricted roads on that route will still be displayed on the map.

- **Hazmat Routing**: Check the type of hazardous materials you are transporting and PC*MILER Navigator will generate a route avoiding the restricted roads, (page 67-69).

- **Vehicle Restrictions**: Tap **Edit Vehicle Restriction** and enter the information that pertains to your vehicle. If nothing is entered here, your route will avoid all truck-restricted roads by default. If information is entered, some restricted roads may be used where appropriate.



- **Routing Profile**: Select a routing profile you previously saved or **Default** Truck route.

Advanced

Saving a Routing Profile

After selecting your routing preferences you can save it as a routing profile. Scroll to the bottom of the page and select **Save as Routing Profile** when prompted enter a name for your settings and select **OK**.

Loading a Routing Profile

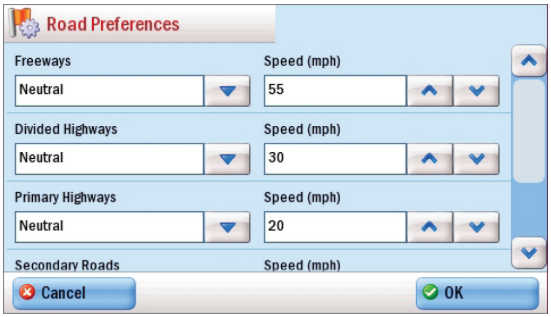
To load an existing profile select **Load Routing Profile** and select one of your previously saved ones or the Default profile. Tap OK twice to return to the settings menu and apply the profile.

Edit Road Preferences

Scroll down and tap **View/Edit Road Preferences**. (Available only after a routing profile has been saved)

The available setting are:

- **For each road type**: Choose whether you want PC*MILER Navigator to **Strongly Avoid**, **Neutral**, **Favor** or **Strongly Favor** each road type when calculating a route.
- **Speed**: Select an appropriate speed for each road, you can increase or decrease the speed in increments of 5 mph.

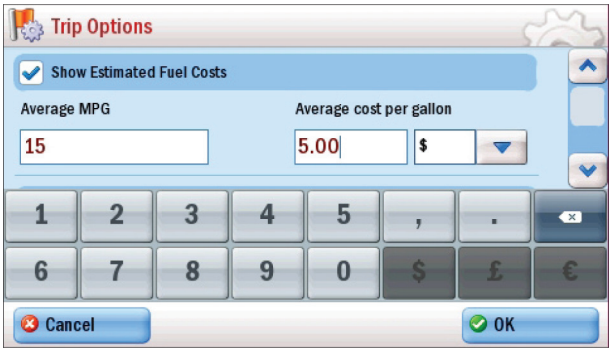


NOTE:
Changing the default route and road preferences in PC*MILER Navigator will affect the route calculated and ETA shown.

Trip Options

In the **Plan or Edit Trip** window tap the **Options** button:

- To see a fuel cost estimated when the trip is calculated, type in the **Vehicle Miles per Gallon** and **Cost per Gallon**.
- To have break hours included in the trip ETA, check **Take Breaks During Trip**, and then select a **time interval** and **break time**.
- When **Optimize Final Destination** is checked the position of the last stop on the destination list can be changed when the trip is optimized (see next page).



Advanced

Optimizing Stops

PC*MILER Navigator has an Optimize Stops function, which will automatically rearrange the stops within a trip to create the most efficient route.

If you planned trip has more than three (3) stops, tap **Optimize**. PC*MILER Navigator will take a few seconds to reorder your stops for the most efficient trip.

NOTE:

Your start point and destination will not be altered. If you want the final destination to be included in the optimization, tap **Options** and check **Optimize Final Destination**.

Detours

You can program PC*MILER Navigator to make a detour a part of the calculated route.

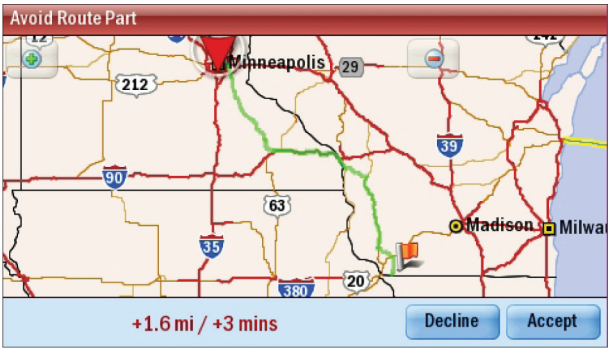
- Select **Menu** > **Detour** > **Avoid Roads**.

An itinerary of your trip will appear. Tap on the road you would like to avoid then select **Avoid Road**.

PC*MILER Navigator will take a few moments to plan an alternative to the selected road.

PC*MILER Navigator will display any change in distance and/or time the new route and display a map of the new route.

- Tap Accept and PC*MILER Navigator will begin directing you according to the new route.
- If you decide not to use the new route, select **Decline**. PC*MILER Navigator will then return to your original route.



Tip: Avoid Multiple Roads

To avoid additional roads, select a road to avoid and press Avoid Road. Repeat as many times as required. Press to return to the driving screen when done.

PC*MILER Navigator will save the details of roads you wish to avoid. To clear the memory, select Select **Menu** > **Detour** > **Clear Avoid Roads**.

Advanced

Recalculate the Whole Trip

If you are unhappy with the whole route PC*MILER Navigator has planned for you. Tap **Menu** > **Detour** > **Alternate Route**.

PC*MILER Navigator will compile a different route if a sensible alternative exists. A map of proposed detour will be displayed. Select **Accept** to agree or **Decline** to return to the previous route.

Ending a Detour

If you are on a detour route and would like to return to the original trip. Tap **Menu** > **Detour** > **End Detour**.

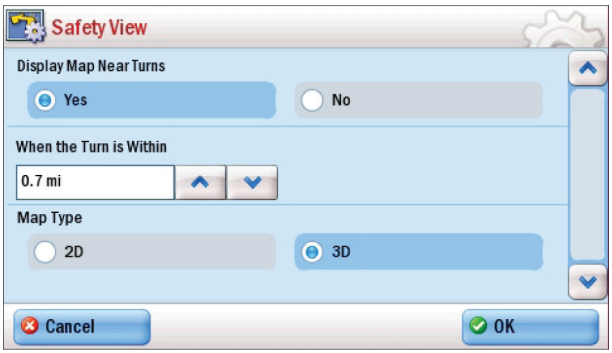
Adjusting your Safety View

- Tap **Menu** > **Settings** > > **Driver Safety**.

From here you can alter the settings of the Safety view in the following ways:

- **Display Map Near Turns**: Decide whether to show a 2D/3D zoomed map on the approach to each turn or always show the Driver Safety screen . Check the box for **Yes** to display the map or **No** not to.

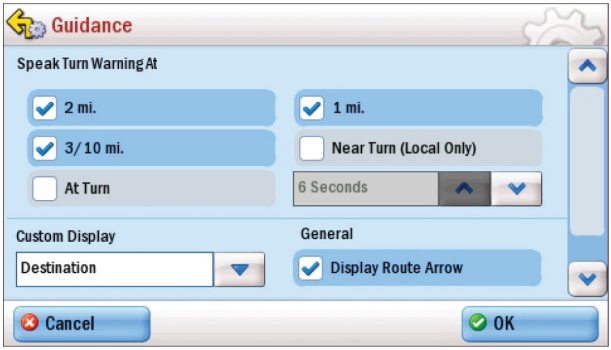
- **When the Turn is Within**: If you select **Yes** above, choose the distance before the turn you would like the map to be displayed. The distance can be set between 0.3 miles and 1 mile.
- **Map Type**: If **Display Map Near Turns** is set to **Yes**, select whether to use a 2D or 3D map when approaching turns.
- Tap **OK** to save your new settings and exit. Tap Cancel to discard your change.



Adjusting the Guidance Settings

You can adjust the way PC*MILER Navigator guides you.

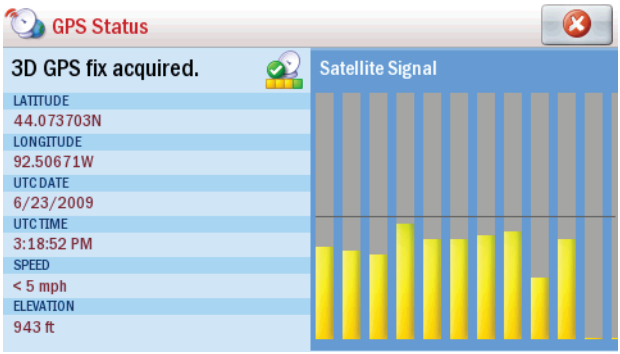
- Tap **Menu** > **Settings** > **Guidance**.
- Select at what distances you want PC*MILER Navigator to speak to you when approaching a turn.
- Select what information you wish to be displayed on the customized part of the screen (see page 44-45) or check **Rotate Custom Display** for the information to cycle automatically while navigating.
- Check the box to **Display Route Arrow**; uncheck to remove.
- Tap **OK** to save your settings and exit. Tap **Cancel** to discard your changes.



Checking the GPS Status

- Tap **Menu** > **Settings** > **GPS Status**.

  The GPS Status screen shows detailed information regarding the GPS fix and signal strength which your PC*MILER Navigator uses for guidance. From this screen you can see your current latitude or longitude position, the UTC time and date, your speed and your elevation (feet above sea level).



NOTE:
Your GPS signal will be limited when the receiver is inside buildings, tunnels or garages. To work effectively the GPS receiver needs to have a clear line of sight to the sky.

Advanced

Track Playback

You can play back a previously completed trip.

- Tap **Menu** > **Settings** > > > **Track Playback**.
- Select the trip from the list.
- Tap **Play** to start playback.

  To control the speed or to close the track.

Playing a Demo

PC*MILER Navigator contains a demonstration trip to a pre-defined destination.

- Tap **Menu** > > > > **Play Demo**.

  Tap the camera on the map to open a panel of buttons that let you control the demo or track playback.

- Speed up by tapping the **Faster** button or slow down by tapping the **Slower** button.
- Tap to go back to the beginning of the demo or track.
- Tap to go back to the most recent turn.
- Tap to pause.

- Tap to forward to the next upcoming turn.
- Tap to close the demo or track.

Adjusting Keyboard Settings

- Tap **Menu** > **Settings** > > **Device**.
- Select the keyboard type of choice from the drop-down menu. The options are **Alphabetical**, **QWERTY**, **AZERTY**.
- Select whether you want to Backlight: **On with GPS**, **Always On**, **On Near Turn** or **Use Device's Settings**.
- Tap **OK** to save your settings and exit. Tap **Cancel** to discard your changes.

Adjusting the Volume

- Tap **Menu** > **Settings** > > **Volume**.

  Use the + and - symbols to increase or decrease the volume of the spoken instructions. To turn off the 'tap' sound which occurs when you touch the screen, uncheck the **Button Sound** box.

Tip: PC*MILER Navigator has an external audio jack that enables the use of headphones or external speakers.

Advanced

About CoPilot

To access the version and data number of your CoPilot Truck software,

- Tap **Menu** > **Settings** > > > **About CoPilot**.

Licensing

To access the licensing information of your CoPilot Truck software,

- Tap **Menu** > **Settings** > > > **Licensing**.

The licensing settings allow you to activate/deactivate license regions (Currently only North American Data is available).

SAFETY NOTE:

CoPilot Truck is designed as a tool to get you from Point A to Point B along the most efficient and truck specific routes. However, some of the information in the database may change from time to time.

You must stay alert and pay attention to road signs at all times.

PC*MILER Routing Types

Practical Routes

Practical routes represent distances and driving routes that a driver would normally take to minimize time and cost. Practical Routes model the trade-off between taking the most direct path and staying on major, high quality highways. Interstate highways are given a higher priority than toll roads, which, in turn, are given a higher priority than secondary highways, and so on. Routing Instructions and mileage can be used when actual travel distances and directions are needed.

PC*MILER Practical route consider distance, road quality, terrain, urban/rural classifications, truck-restricted roads, and designated principal and secondary through routes.

PC*MILER Practical Route mileage and state-by-state mileage breakdowns (Note: PC*MILER does not provide state by state milage breakdown information) can be used to supplement your regular fuel tax reporting documents for many states. Many state audit departments have purchased licenses to incorporate PC*MILER Navigator into the their audit procedures.

Economic Routes

Economic routes favor major roads over local ones to optimize fuel milage.

PC*MILER Routing Types

Shortest Routes

PC*MILER Shortest Routes represent distances and driving routes that a vehicle would take to minimize total distance traveled while still following a reasonable route. For instance, Shortest Route mileage and routes will also avoid truck-restricted roads and, in some cases, may favor a beltway rather than traveling directly through a city.

ALK believes, however, that carriers and shippers alike would all be better served by using a mileage tariff based on actual miles traveled (i.e. similar to those generated using the PC*MILER Practical Route Option), which would more accurately reflect true transportation costs.

National Network Routes

The National Network is a U.S. government-designated system of highways originally established by the Surface Transportation Assistance Act of 1982 (STAA). This routing option is based on the federally-designated National Network system updated in the April, 1992 Code of Federal Regulations, Part 658, Appendix A. The National Network includes the Interstate System (several minor segments are not included), and many selected U.S. and state highways. Highways continue to be added to the National Network by federal and state governments.

PC*MILER National Network routing represents distances and driving routes which are most reasonable and legal for the larger trucks authorized by the Surface Transportation Assistance Act of 1982.

PC*MILER Routing Types

National Network routing stays on the National Network to the maximum extent possible. Given that many areas are not directly served by the National Network, the origin and stop-offs of your route may not be on the National Network. In these cases PC*Miler will take the shortest reasonable path from the origin and stop-offs to the Network. Detailed Route Reports (driving directions) for PC*MILER National Network routes provide a warning wherever the route is forced to use a non-conforming link. These road segments should be checked before traveling, National Network mileage tends to be higher than Shortest or Practical mileage.

These designated highways permit, at a minimum, 102" wide, single 48 ft. trailers and 28 ft. double trailers. The interstate system and most, but not all, remaining designated routes are open to 80,000 pound vehicles. Certain states, notably Arkansas and Mississippi, have designated certain National Network segments with less than an 80,000 pound capacity.

In addition to the national Network highways, access routes and access policies are components of routing STAA dimensioned trucks. The Federal government has mandated that no state may prohibit travel from the National Network for a minimum of one road mile unless safety restrictions apply. Additionally, no state may deny reasonable access to terminals and facilities for food, fuel, repairs, and rest.

PC*MILER Routing Types

Several Sates maintain more generous access policies and lists of specifically designated access routes to terminals and facilities. (For detailed information about pre-approved access routes, contact the individual states.) Should you need to travel beyond the National Network and the access roads, you must acquire the proper permit.

NOTE:

These suggested National Network routing are based on official highway maps, the Code of Federal Regulations. Suggested National Network routing is based on information provided by state governments. It is provided without warranty of any kind. **The user assumes full responsibility for any delay, expense, loss, or damage which may occur as a result of its use.**

53 Foot Trailer Routing

Because every mile equals money, PC*MILER now offers enhanced routing specifically for 53'/102" trailers. The calculations for these routes are based on National Network routing, with the addition of roads that permit 53'/102" trailers.

Detailed Route reports for PC*MILER 53' Trailer routes now provide a warning wherever the route is forced to use a non-conforming link (a red exclamation point also appears in the route window for the generated route).

Heavy/Light Vehicle Routing (Override Restrictions)

In addition to the five basic route types, the Heavy and Light Vehicle routing option is also a critical setting. A "heavy vehicle" is one weighing at least 80,000 pounds; a "light vehicle" weighs less than 80,000 pounds.

When **Override Restrictions** is left unchecked, Heavy Vehicle routing will be in effect, so both truck-prohibited and truck-restricted roads will always be avoided. In addition, Heavy Vehicle routing takes nationwide 13' 6" height restrictions into account.

If checked see page 49.

SAFETY TIP:

For winter roads in Manitoba and North West Territories, Canada, road safety information for heavy vehicles using these roads can be found at:

http://www.gov.mb.ca

Click on "Highway Conditions".

PC*MILER Routing Types

Toll Roads

If **Avoid If Possible** is checked, PC*MILER Navigator will avoid long stretches of toll roads but won't take long, impractical detours, to avoid toll bridges and tunnels. Example: a trip from Boston, MA to Albany, NY avoids the Massachusetts Turnpike, but a trip from Camden, NJ to Philadelphia, PA includes a toll bridge.

International Borders Open

If this option is checked, the calculated trip will ignore international boundaries (Canada and Mexico) when necessary to generate the best route. If this option is not check the calculated trip will never cross international boundraries. For example, if all your stops are in the United States, the route will stay in the U.S. even though the most practical or shortest route would involve some Canadian mileage.

Hazmat Routing

PC*MILER Navigator calculates routes for hazardous materials based on over thirty different road categories. Hazmat route options include: **General**, **Caustic**, **Explosives**, **Flammable**, **Inhalants**, and **Radioactive**. To calculate normal (non-hazmat) PC*MILER routes, select **None**. The table in Appendix B on the next two pages shows how each PC*MILER hazmat route type handles each hazmat road category.

Hazardous Material Route Types & Road Categories

PC*MILER Navigator calculates routes for hazardous materials based on over thirty different road categories. The table below and on the next page shows how each PC*MILER hazmat route type handles each hazmat road category.

Favor = routing will prefer these segments

Avoid = routing will go around these segments whenever possible

No Change = routing will not be altered in any way

Discourage = a lesser degree of avoidance, used when a state or road authority allows hazmat only at certain times of day, with prior notification, by permit, or in limited quantities, and for tunnels not otherwise classified.

PC*MILER Routing Types

#	Hazmat Routing Category	PC*MILER|HazMat Routing Type						Detailed Route Report Restriction Column Text	Map's HazMat Restriction Legend
		General	Caustic	Explosives	Flammable	Inhalants	Radioactive		
0	None	no change	no change	no change	no change	no change	no change		none
1	Alternate	favor	favor	favor	favor	favor	favor		Desig/Pref/Alt
2	Preferred	favor	favor	favor	favor	favor	favor		Desig/Pref/Alt
3	Designated	favor	favor	favor	favor	favor	favor		Desig/Pref/Alt
4	Prohibited	avoid	avoid	avoid	avoid	avoid	avoid	Prohibited	Prohibited
5	Restricted	discourage	discourage	discourage	discourage	discourage	discourage	Restricted	**Restricted**
6	Unused	-	-	-	-	-	-	-	-
7	Explosive Designated	no change	no change	favor	no change	no change	no change		Desig Expl
8	Inhalant Designated	no change	no change	no change	no change	favor	no change		Desig Inhal
9	Explosive & Inhalant Designated	no change	no change	favor	no change	favor	no change		**Desig/Pref/Alt**
10	Tunnel	discourage	discourage	discourage	discourage	discourage	discourage	Tunnel	**Restricted**
11	Tunnel & Alternate	favor	favor	favor	favor	favor	favor		Desig/Pref/Alt
12	Tunnel & Preferred	favor	favor	favor	favor	favor	favor		Desig/Pref/Alt
13	Tunnel & Designated	favor	favor	favor	favor	favor	favor		Desig/Pref/Alt
14	Tunnel & Prohibited	avoid	avoid	avoid	favor	avoid	avoid	Proh. Tunnel	Prohibited
15	Tunnel & Restricted	discourage	discourage	avoid	avoid	avoid	avoid	Restr. Tunnel	**Restricted**
16	Unused	-	-	-	-	-	-	-	-
17	Unused	-	-	-	-	-	-	-	-

18	Caustic, Explosive, Flammable & Radioactive Prohibited	no change	avoid	avoid	avoid	no change	avoid	**Many Commodities Prohibited**	**Some Cmds Prohib.**
19	Explosive Restricted	no change	no change	no change	no change	no change	no change	Expl. Restr.	**Restricted**
20	Unused	-	-	-	-	-	-		**none**
21	Explosive & Flammable Prohibited	no change	no change	avoid	avoid	no change	no change	Expl. & Flam. Prohibited	**Some Comds Prohib.**
22	Radioactive Preferred	no change	no change	no change	no change	no change	favor		Desig Rad
23	Radioactive Designated	no change	no change	no change	no change	no change	favor		Desig Rad
24	Radioactive Prohibited, Explosive Restricted	no change	no change	discourage	no change	no change	avoid	Rad. Prohib. Expl. Restr.	**Some Cmds Prohib.**
25	Radioactive Prohibited	no change	no change	no change	no change	no change	avoid	Rad. Prohib.	**Some Cmds Prohib.**
26	Escort Needed	no change	no change	no change	no change	no change	no change	Escort	none
27	Unused	-	-	-	-	-	-		**none**
28	Explosives, Inhalant & Radioactive Designated	no change	no change	favor	no change	favor	favor		Desig/Pref/Alt
29	Radioactive & Explosive Designated	no change	no change	favor	no change	no change	favor		Desig/Pref/Alt
30	Radioactive & Explosive Prohibited	no change	no change	avoid	no change	no change	avoid	Rad. & Expl. Prohib.	**Some Cmds. Prohib.**
31	Radioactive & Explosive Restricted	no change	no change	discourage	no change	no change	discourage	Rad. & Expl. Restr.	**Restricted**

Note: U.S. hazardous material routing restriction/designation information taken from *The National Hazardous Materials Route Registry* provided by the Federal Motor Carrier Safety Administration (FMCSA); and various other state and federal sources. Canadian hazmat data derived from government and municipal sources in each Province and Territory, and includes hazmat restrictions for major Canadian bridges and tunnels.

Icon Legend

Truck Specific Icons

Truck-Routing

Hazmat-Routing

Truck-Restricted

Hazmat-Restricted

Route-Length Warning

Route -Weight Warning

Route-Width Warning

Route-Height Warning

POI- Truck Services

Border Crossing

General POI Icons

Airport

Auto Dealership

ATM

Attractions

Bank

Border Crossing

Icon Legend

- Bus Station
- Entertainment
- Event Facility
- Ferry Terminal
- Gas Station
- Grocery Store
- Hotels
- Marina
- Medical
- Municipal
- Other
- Place of Worship
- Parking
- Railway Station
- Rest Area
- Restaurant
- Retail
- Rent a Car
- Schools & Universities
- Sports & Recreation
- Truck Services
- Vehicle Repair

Support

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For any software related problems, please send an e-mail to **techsupport@alk.com** or call **408-916-9128**. For any map or routing problems, please e-mail **data@alk.com** and provide as much detail as possible.

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For any hardware issues, relating to accesories or the unit itself: Please e-mail **pcmnavhwsupport@alk.com** OR call **507-226-0042**.

Our support team is available Monday to Friday 9:00am to 5:00pm EST.

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Alternatively

Visit the support section at **http://support.alk.com**. for additional FAQs and contact details.

Register you CoPilot

You should register your PC*MILER Navigator solution at **www.alk.com/register** to receive information about the CoPilot Truck navigators software.

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PC*MILER Navigator 740

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